DOCUMENT RESUME

ED 400 755 HE 029 595

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TITLE Education in a Research University.
REPORT NO ISBN-0-8047-2595-0
PUB DATE Jun 96
NOTE 494p.
AVAILABLE FROM Stanford University Press, Stanford, CA 94305-2235 ($60).
PUB TYPE Books (010) -- Collected Works - General (020) -- Viewpoints (Opinion/Position Papers, Essays, etc.) (120)

EDRS PRICE Document Not Available from EDRS.
DESCRIPTORS Academic Standards; Activism; Affirmative Action; Business Education; *College Administration; College Admission; College Faculty; College Instruction; Computer Simulation; Computer Uses in Education; Decision Making; Doctoral Programs; Economics Education; Educational History; Government School Relationship; Graduate Study; Higher Education; *Institutional Characteristics; Medical Schools; Models; *Operations Research; Planning; Quality Control; *Research Universities; Retirement; School Business Relationship; *Statistics; Teacher Retirement; Technological Advancement
IDENTIFIERS *Stanford University CA

ABSTRACT

This collection of 30 essays on the character, administration, and management of research universities research university emphasizes the perspective of statistics and operations research: The essays are: "A Robust Faculty Planning Model" (Frederick Biedenweg); "Looking Back at Computer Models Employed in the Stanford University Administration" (David S. P. Hopkins); "Faculty Retirement Policies: The Stanford Experience: (Kathryn M. Gilliam and John B. Shoven); "Applying Statistical Concepts and Approaches in Academic Administration" (Stephen E. Fienberg); "Affirmative Action in Graduate Admissions: Stanford University in the 1980's" (Jean H. Fetter); "University and Government, University and Industry: Examining a Changed Environment" (Donald Kennedy); "Student Revolt and Campus Reform in the 1960's" The Case of Stanford's Judicial Charter" (Richard W. Lyman); "The University Fellows Program at Stanford: On Turning Scientists and Scholars into University Statesmen and Stateswomen" (Albert H. Hastorf); "Why a Medical School in a Research University?" (Saul A. Rosenberg); "Education and Technology at Stanford University in the 21st Century" (Patrick Suppes); "Searching for World-Class Educational Standards" (J. Myron Atkin); "A Practitioner's View of Operations Research Ph.D. Education" (Alan Wood and Frederick Biedenweg); "Practicing Operations Research (OR) and Systems Engineering in Workplaces Having Decentralized OR" (Randall E. Fleming); "Teaching a Computer-Intensive Statistics Course" (David A. Butler); "My First Days' Lectures: Past and Present" (Donald L. Bentley); "Courses for Learning the Practice of Operations Research" (B. Curtis Eaves); "Some Lessons Learned About Textbook Writing" (Frederick S. Hillier); "The DNA of Decision Science" (Sam L. Savage); "Evolution of the Required Quantitative Methods Course for M.B.A's at Indiana

University (Chris Albright); "The Challenge for Operations Research in American Graduate Business Schools" (Evan L. Porteus); "Operations Research and Statistics in Manufacturing - An Educational Model" (Donald B. Rosenfield); "Graduate Programs in the Mathematical Sciences: The Clemson Model" (Kenneth T. Wallenius); "Analysis and Judgment in Policymaking" (Alexander George); "The Impact of Operations Research and Decision Theory on Teaching and Research in Microeconomics" (Kenneth J. Arrow); "Linear Programming - The Story About How it Began" (George B. Dantzig); "Greenhouse Gas Abatement: Toward a Pareto-Optimality in Integrated Assessments" (Alan S. Manne); "New Directions in Education: Computational Tools for the Molecular Biologist and Biological Sources for the Mathematician" (Samuel Karlin and Volker Brendel); "Phase II -- Some Advanced Applications in Statistical Quality Control" (Gary C. McDonald); "The Use of Statistics in Judicial Decisions" (Kenneth E. Scott); and "Communication: Statistical Task and Statistical Tool" (Lincoln E. Moses). Chapters include references. (JLS)

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